

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/GEM/KHD/MCDR-4/BBS

Mine code : 86ORI07001

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Shushil Agrawal, Director
Official with
Designation
- (iv) Date of Inspection : 23/09/2017
- (v) Prev.inspection date : 12/08/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BONDOGUDA IOLITE (2.023H)**
- (b) **Registration NO.** : **IBM / 9691 /2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KALAHANDI
- Village : BANDO GUDA
- Taluka : JUNAGARH
- Post office : DEDAR
- Pin Code :
- FAX No. : 91-674-2550430
- E-mail : manikgems2000@gmail.com
- Phone : 91-674-2550644
- (f) Police Station : JUNAGARH PIN: 766 014
- (g) First opening date : 28/08/2001
- (h) Weekly day of rest : SUN
2. Address for : SHRI NARESH KUMAR AGRAWAL, DIRECTOR
correspondance M/S MANIKESWARI GEMS (P) LTD, 1/65, IRC VILLAGE
NAYAPALLI, BHUBANESWAR- 751 015
3. (a) Lease Number : ORI0756
- (b) Lease area : 2.02
- (c) Period of lease : 20
- (d) Date of Expiry : 13/08/2021
4. Mineral worked : IOLITE Main

5. Name and Address of the

Lessee : MANIKESWARI GEMS (P) LTD.
MANIKESWARI GEMS (P) LTD.
PLOT NO. N-1/65 IRC
VILLAGE, BHUBANESWAR KHURDA
ORISSA
Phone:06742550644
FAX :06742550430

Owner : MANIKESWARI GEMS (P) LTD.
MANIKESWARI GEMS (P) LTD.
PLOT NO. N-3/444 IRC
VILLAGE, BHUBANESWAR KHURDA
ORISSA
Phone: 06742550644
FAX : 06742550430

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18/07/2001
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	03/11/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 nos. of trial pit and 5 nos. of bore holes were proposed during the last scheme period from 2011-12 to 2015-16.	NIL.	No exploration as the mine was closed since 10.02.2006.
1b	Exploration over lease area for geological axis 1 or 2	5 nos. of trial pit and 5 nos. of bore holes were proposed during the last scheme period from 2011-12 to 2015-16.	NIL.	No exploration as the mine was closed since 10.02.2006.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such Information in approved document.	Not applicable.	No exploration as the mine was closed since 10.02.2006.
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.743 Ha	NIL.	No exploration as the mine was closed since 10.02.2006.
1e	Balance reserve as on 01/04/20	As on 01/04/2016:	13162.50 kg (as per approved document dated 19/12/2011	The mine was in non-operation since 10.02.2006.
1f	General remarks of inspecting officers on geology, exploration etc	No Proposal.	The exploration proposed in the SOM dated 19/12/2011 has not been undertaken by lessee due to non-operational of mine since 10.02.2006.	The mine was colsed since 10/02/2006.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid Proposal for the year 2016-17.	No development.	The mine was colsed since 10/02/2006.
2c	Stripping ratio or ore to OB ratio	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
2d	Quantity of topsoil generation in m3	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
2e	Quantity of overburden generation in m3	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	Only one pit has been developed in the lease area, which covers around 0.530 Ha of the lease area.	The mine was colsed since 10/02/2006.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3b	Quantity of ROM mineral production proposed	No valid Proposal for the year 2016-17.	Hence, Not applicable.	The mine is in non-operational since 10/02/2006.
3c	Recovery of sailable/usable mineral from ROM production	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3d	Quantity of mineral reject generation	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.

3e	Grade of mineral rejects generation and threshold value declared.	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3f	Quantity of sub grade mineral generation.	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3g	Grade of sub grade mineral generation	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3h	Manual / Mechanised method adopted for segregating from ROM	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3j	Provision of drilling and blasting in mineral benches	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3k	Provision of mining machineries in mineral benches	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.
3m	Total area covered under excavation/pits	No Proposal for the year 2016-17.	at present area covered under the pit is 0.530 Ha as per AR 2016-17.	The mine is in non-operational since 10/02/2006.
3n	Ore to OB ratio for the pit/mine during the year.	No valid Proposal for the year 2016-17.	NIL.	The mine is in non-operational since 10/02/2006.

3o	Total area put in use under different heads at the end of year	No valid Proposal for the year 2016-17.	total area put in use is 0.606 Ha as per AR 2016-17.	The mine is in non-operational since 10/02/2006.
3p	Production of ROM mineral during the last five year period as applicable	2011-12: 1878.18 Kg 2012-13: 1863.00 Kg 2013-14: 1873.12 Kg 2014-15: 1893.37 Kg 2015-16: 1888.31 Kg	NIL, as no excavation was carried out during the scheme period.	The mine is in non-operational since 10/02/2006.
3q	General remarks of inspecting officers on method of mining etc.	----	The mine is closed since 10/02/2006 due to some local problem. Hence, no work could be carried out.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
4b	Location of topsoil, OB and mineral reject dumps	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
4c	Number of dumps within lease area and outside of lease area	One in side lease area	One in side lease area	The mine was colsed since 10/02/2006.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid Proposal for the year 2016-17.	Observed to be within UPL.	The mine was colsed since 10/02/2006.
4e	Number of active and alive dumps.	No valid Proposal for the year 2016-17.	No dumping has been observed.	The mine was colsed since 10/02/2006.
4f	Number of dead dumps.	NIL	NIL.	The mine was colsed since 10/02/2006.

4g	Number of dumps established.	NIL	NIL.	The mine was colsed since 10/02/2006.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
4i	Length of Retaining wall or garland drain all along dumps	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
4j	Number of settling ponds	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
4k	Specific comments of inspecting officer on waste dump management	---	A small waste dump has been observed near/adjoining to existing quarry.	The mine was colsed since 10/02/2006.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No valid Proposal for the year 2016-17.	Presently no scope of back filling as the mineral is not completely excavated.	The mine was colsed since 10/02/2006.
5b	Area under backfilling of mined out area	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
5d	Total area fully reclaimed and rehabilitated	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	---	No area for backfilling.	The mine was colsed since 10/02/2006.
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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6b	Area available for rehabilitation (ha) .	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6c	afforestation done (ha).	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6d	No. of saplings planted during the year	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6e	Cumulative no .of plants	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6f	Any other method of rehabilitation	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6g	Cost incurred on watch and care during the year	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
7c	Different grade of mineral sorted out at mines.	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
7d	Any beneficiation process at mines	No	NIL.	The mine was colsed since 10/02/2006.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	As stated by lessee, the rough Iolite are cuted and polished at lessee's unit at BBSR.	The mine was colsed since 10/02/2006.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8b	Concurrent use or storage of topsoil	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8g	Survival rate	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8h	Water sprinkling on roads to control airborne dust	No valid Proposal for the year 2016-17.	NIL.	The mine was colsed since 10/02/2006.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	The environment protective measures have not been undertaken taken by lessee.	The mine was colsed since 10/02/2006.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Being submitted.	The mine was colsed since 10/02/2006.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Employed.	Not employed as mine is closed.	The mine was colsed since 10/02/2006.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.606 Ha	0.606 Ha	The mine was colsed since 10/02/2006.
9d	Scrutiny of Annual return on afforestation	NIL	NIL.	The mine was colsed since 10/02/2006.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL.	NIL.	The mine was colsed since 10/02/2006.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL.	NIL as mine is closed.	The mine was colsed since 10/02/2006.
9k	Scrutiny of Annual return on mining machineries	NIL.	No machines were obserevd.	The mine was colsed since 10/02/2006.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :

(DILIP JAIN)

Indian Bureau of Mines